Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/12/2019 10:18 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123101	-2	2.10	123091	2.17
Blue	F	SSC	125000	123476	-2	3.77	124219	3.81
Blue	E	FITC	16694	16225	-3	3.79	377	22.18
Blue	D	PE	32792	32224	-2	3.04	710	16.44
Blue	B	PerCP-Cy5-5	44451	44325	-1	4.73	1210	23.31
Blue	A	PE-Cy7	33645	33392	-1	7.15	609	48.09
Red	C	APC	47008	46427	-2	3.17	1794	13.78
Red	A	APC-Cy7	32298	31474	-3	3.01	786	14.00
Violet	B	V450	8961	8528	-5	4.45	480	15.08
Violet	A	V500	32726	31654	-4	4.22	764	11.96

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20308	4.86	607	-6	N/A	N/A	Pass
Blue	F	SSC	55914	3.28	579	11	N/A	N/A	Pass
Blue	E	FITC	62	77.66	565	2	0.0160	235	Pass
Blue	D	PE	142	55.60	569	3	0.1218	241	Pass
Blue	B	PerCP-Cy5-5	224	57.93	674	3	0.0073	89	Pass
Blue	A	PE-Cy7	121	117.52	728	2	0.0088	23	Pass
Red	C	APC	407	29.21	615	2	0.0179	97	Pass
Red	A	APC-Cy7	193	32.64	586	1	0.0049	1518	Pass
Violet	B	V450	73	72.95	477	-9	0.0426	2755	Pass
Violet	A	V500	109	44.16	487	-9	0.0178	1508	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.58	-32.06	1.16
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.49
Red	16.40	13.60 - 20.40	N/A	N/A	29.15	29.59	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9778

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments